

Environmental Protection Agency

Pt. 63, Subpt. HHHHH, Table 1

TABLE 1 TO SUBPART HHHHH OF PART 63—EMISSION LIMITS AND WORK PRACTICE STANDARDS FOR PROCESS VESSELS

As required in §63.8005, you must meet each emission limit and work practice standard in the following table that applies to your process vessels.

For each . . .	You must . . .	And you must . . .
1. Portable process vessel at an existing source.	a. Equip the vessel with a cover or lid that must be in place at all times when the vessel contains a HAP, except for material additions and sampling.	Nonapplicable.
2. Stationary process vessel at an existing source.	<p>a. Equip the vessel with a cover or lid that must be in place at all times when the vessel contains a HAP, except for material additions and sampling; or</p> <p>b. Equip the vessel with a tightly fitting vented cover or lid that must be closed at all times when the vessel contains HAP, except for material additions and sampling.</p>	<p>i. Considering both capture and any combination of control (except a flare), reduce emissions of organic HAP with a vapor existing pressure <math>\geq 0.6</math> kPa by <math>\geq 75</math> percent by weight, and reduce emissions of organic HAP with a vapor pressure <math>&lt; 0.6</math> kPa by <math>\geq 60</math> percent by weight.</p> <p>ii. Reduce emissions of organic HAP with a vapor pressure <math>\geq 0.6</math> kPa by <math>\geq 75</math> percent by weight, and reduce emissions of organic HAP with a vapor pressure <math>&lt; 0.6</math> kPa by <math>\geq 60</math> percent by weight, by venting emissions through a closed-vent system to any combination of control devices (except a flare); or</p> <p>iii. Reduce emissions of total organic HAP by venting emissions from a non-halogenated vent stream through a closed-vent system to a flare; or</p> <p>iv. Reduce emissions of total organic HAP by venting emissions through a closed-vent system to a condenser that reduces the outlet gas temperature to:</p>
3. Portable and stationary process vessel at a new source.	a. Equip the vessel with a tightly fitting vented cover or lid that must be closed at all times when the vessel contains HAP, except for material additions and sampling.	<p><math>&lt; 10</math> °C if the process vessel contains HAP with a partial pressure <math>&lt; 0.6</math> kPa, or</p> <p><math>&lt; 2</math> °C if the process vessel contains HAP with a partial pressure <math>\geq 0.6</math> kPa and <math>&lt; 17.2</math> kPa, or</p> <p><math>&lt; -5</math> °C if the process vessel contains HAP with a partial pressure <math>\geq 17.2</math> kPa.</p> <p>i. Reduce emissions of total organic HAP by <math>\geq 95</math> percent by weight by venting emissions through a closed-vent system to any combination of control devices (except a flare); or</p> <p>ii. Reduce emissions of total organic HAP by venting emissions from a non-halogenated vent stream through a closed-vent system to a flare; or</p> <p>iii. Reduce emissions of total organic HAP by venting emissions through a closed-vent system to a condenser that reduces the outlet gas temperature to:</p> <p><math>&lt; -4</math> °C if the process vessel contains HAP with a partial pressure <math>&lt; 0.7</math> kPa, or</p>
		<p><math>&lt; -20</math> °C if the process vessel contains HAP with a partial pressure <math>\geq 0.7</math> kPa and <math>&lt; 17.2</math> kPa, or</p> <p><math>&lt; -30</math> °C if the process vessel contains HAP with a partial pressure <math>\geq 17.2</math> kPa.</p>

**Pt. 63, Subpt. HHHHH, Table 2**

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For each . . .	You must . . .	And you must . . .
4. Halogenated vent steam from a process vessel subject to the requirements of item 2 or 3 of this table for which you use a combustion control device to control organic HAP emissions.	<p>a. Use a halogen reduction device after the combustion control device; or</p> <p>b. Use a halogen reduction device before the combustion control device.</p>	<p>i. Reduce overall emissions of hydrogen halide and halogen HAP by ≥95 percent; or</p> <p>ii. Reduce overall emissions of hydrogen halide and halogen HAP to ≤0.45 kilogram per hour (kg/hr). Reduce the halogen atom mass emission rate to ≤0.45 kg/hr.</p>

[68 FR 69185, Dec. 11, 2003, as amended at 70 FR 25682, May 13, 2005]

**TABLE 2 TO SUBPART HHHHH OF PART 63—EMISSION LIMITS FOR STORAGE TANKS**

As required in §63.8010, you must meet each emission limit in the following table that applies to your storage tanks.

For each . . .	Then you must . . .
1. Group 1a storage tank	<p>a. Comply with the requirements of subpart WW of this part, except as specified in §63.8010(b); or</p> <p>b. Reduce total organic HAP emissions from the storage tank by ≥90 percent by weight by venting emissions through a closed-vent system to any combination of control devices (excluding a flare); or</p> <p>c. Reduce total organic HAP emissions from the storage tank by venting emissions from a non-halogenated vent stream through a closed-vent system to a flare.</p>
2. Group 1b storage tank	<p>a. Comply with the requirements of subpart WW of this part, except as specified in §63.8010(b); or</p> <p>b. Reduce total organic HAP emissions from the storage tank by ≥80 percent by weight by venting emissions through a closed-vent system to any combination of control devices (excluding a flare); or</p> <p>c. Reduce total organic HAP emissions from the storage tank by venting emissions from a non-halogenated vent stream through a closed-vent system to a flare.</p>

**TABLE 3 TO SUBPART HHHHH OF PART 63—REQUIREMENTS FOR EQUIPMENT LEAKS**

As required in §63.8015, you must meet each requirement in the following table that applies to your equipment leaks.

For all . . .	You must . . .
1. Equipment that is in organic HAP service at an existing source.	<p>a. Comply with the requirements in §§ 63.424(a) through (d) and 63.428(e), (f), and (h)(4), except as specified in § 63.8015(b); or</p> <p>b. Comply with the requirements of subpart TT of this part; or</p> <p>c. Comply with the requirements of subpart UU of this part, except as specified in § 63.8015(c) and (d).</p>
2. Equipment that is in organic HAP service at a new source.	<p>a. Comply with the requirements of subpart TT of this part; or</p> <p>b. Comply with the requirements of subpart UU of this part, except as specified in § 63.8015(c) and (d).</p>

[68 FR 58190, Oct. 8, 2003, as amended at 71 FR 69021, Nov. 29, 2006]

**TABLE 4 TO SUBPART HHHHH OF PART 63—EMISSION LIMITS AND WORK PRACTICE STANDARDS FOR WASTEWATER STREAMS**

As required in §63.8020, you must meet each emission limit and work practice standard in the following table that applies to your wastewater streams.

For each . . .	You must . . .
1. Wastewater tank used to store a Group 1 wastewater stream.	Maintain a fixed roof, which may have openings necessary for proper venting of the tank, such as pressure/vacuum vent or j-pipe vent.
2. Group 1 wastewater stream.	<p>a. Convey using hard-piping and treat the wastewater as a hazardous waste in accordance with 40 CFR part 264, 265, or 266 either onsite or offsite; or</p> <p>b. If the wastewater contains &lt;50 ppmw of partially soluble HAP, you may elect to treat the wastewater in an enhanced biological treatment system that is located either onsite or offsite.</p>